

503.39668PX2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): J. HIRAI, et al
Serial No.: (not yet assigned)
Filed: December 12, 2003
For: COMPENSATION NUMERICALLY CONTROLLED CURVED
SURFACE MACHINING UNIT

INFORMATION DISCLOSURE STATEMENT
UNDER 37 CFR 1.97 & 1.98

Mail Stop DD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

December 12, 2003

Sir:

In the matter of the above-identified application, applicant(s) is/are submitting herewith a copy of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted within the accompanying utility application papers.

To the extent that, the documents listed on the attached form equivalent to Form PTO-1449, are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by an English language abstract.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account No. 01-2135 (503.39668PX2) and please credit any excess fees to such deposit account.

Respectfully submitted,



Melvin Kraus
Registration No. 22,466
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Attachments
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Form PTO-1449
Equivalent

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No. 503.39668PX2
Serial No. (not yet assigned)
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Group:

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
	5,282,143	1/94	Shirai		
	5,726,896	3/98	Jia et al		
	5,808,263	9/98	Beltrami		
	5,815,401	9/98	Otsuki et al		
	5,936,864	8/99	Otsuki et al		
	5,955,856	9/99	Sato et al		
	5,994,863	11/99	Fujita		
	6,268,871	7/01	Rice et al		
	6,311,098	10/01	Higasayama et al		

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
0 706 103 A1	9/95	European		
9-114512	5/97	Japan		
2 341 243 A	3/00	Great Britain		

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

"On Nurbs : A Survey", L. Piegl, IEEE Computer Graphics and Applications, IEEE Inc. New York, US, Vol. 11, NR, pps. 55-71

"Integer Subdivision Algorithm for Rendering Nurbs Curves", N. Anantakrishinan et al, Visual Computer, Springer, Berlin, DE, Vol. 8, NR. 3, pps. 149-161

Mold Engineering Issued July 1998, pps. 8-9

Machine & Tools Issued February 1998, pps. 12-17

The Nurbs Book by L. Piegl, et al

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;
Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO-1449
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Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
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Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
7-334223	12/95	Japan		(abstract)
2001-092516	4/01	Japan		(abstract)

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

Examiner

Date Considered

*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609;
Draw line through citation if not in conformance and not considered. Include copy of this form with next
communication to applicant.